

Converting Colors

$Yxy(85.2715, 0.2864, 0.3752)$

Have a look what the booklet for
Yxy(85.2715, 0.2864, 0.3752)
contains.

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Color

Yxy(85.1457, 0.2863, 0.3756)

Conversions

Conversions Part 1

Format	Color
Hex	ACFFD6
RGB	172, 255, 214
RGB Percent	67%, 100%, 84%
CMY	0.3257, 0.0000, 0.1607
CMYK	0.33, 0.00, 0.16, 0.00
HSL	150°, 100%, 84%
HSV	150°, 33%, 100%
XYZ	64.9021, 85.1457, 76.6447
YIQ	225.5090, -36.3070, -30.3470

Conversions

Conversions Part 2

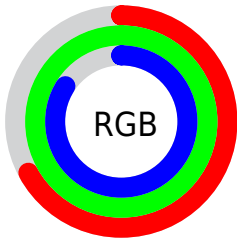
Format	Color
R _Y B	172, 227, 255
Decimal	11337686
CIE Lab	93.95, -33.61, 11.65
CIE LCh	94, 35.572, 160.882
Yxy	85.1457, 0.2863, 0.3756
Android (android.graphics.Color)	4289527766 (0xFFACFFD6)
YUV	225.5090, -5.6739, -46.9274
Hunter-Lab	92.2744, -35.9306, 15.3448

Details

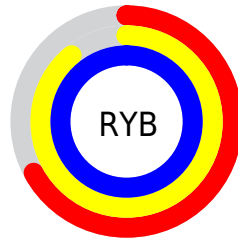
The Yxy color **85.1457, 0.2863, 0.3756** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.5408, 0.3512, 0.2870**, and the grayscale version is **75.7283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **46.6733, 0.2804, 0.3874** is the 20% darker color. If you saturate the color by 10%, you get **81.9089, 0.2796, 0.3929**, and if you desaturate by 10%, it is **88.9734, 0.2939, 0.3596**.

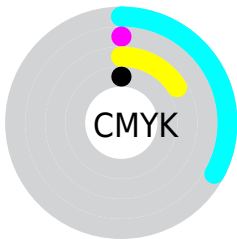
Distribution



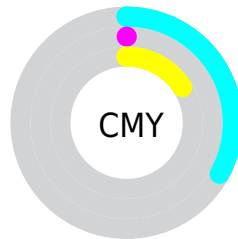
- Red (67%)
- Green (100%)
- Blue (84%)



- Red (67%)
- Yellow (89%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1457, 0.2863, 0.3756 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 85.1457, 0.2863, 0.3756 by changing the saturation by 10% instead.


 85.1457, 0.2863,
0.3756

 85.1457, 0.2863,
0.3756


512.1101, 0.2985,
0.3539

 63.9618, 0.2835,
0.3806

 140.5767, 0.2905,
0.3680

 46.6197, 0.2801,
0.3868

175.5926, 0.2922,
0.3651

 32.7351, 0.2757,
0.3946


215.9879, 0.2936,
0.3626

 21.9236, 0.2700,
0.4049

262.1471, 0.2949,
0.3604

 13.8008, 0.2622,
0.4191

314.4545, 0.2959,
0.3585

 7.9822, 0.2511,
0.4395

373.2945, 0.2969,

 4.0836, 0.2337,

0.3568

0.4717

439.0516, 0.2978,
0.3553

1.7204, 0.2001,
0.5320

0.4368, 0.0000,
1.0000

85.1457, 0.2863,
0.3756

85.1457, 0.2863,
0.3756

81.9089, 0.2796,
0.3929

88.9734, 0.2939,
0.3596

79.2484, 0.2741,
0.4114

93.4407, 0.3020,
0.3451

77.1220, 0.2702,
0.4307

98.5696, 0.3105,
0.3321

75.4892, 0.2682,
0.4503

100.0000, 0.3127,
0.3290

■ 74.3034, 0.2682,
0.4698

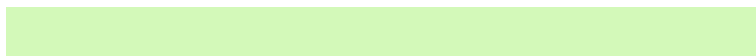
■ 73.5084, 0.2702,
0.4886

■ 73.1102, 0.2727,
0.5018

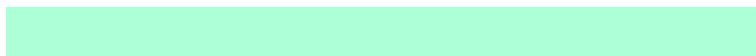
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1457, 0.3262, 0.3992



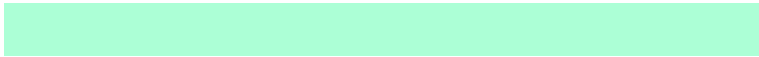
85.1457, 0.2863, 0.3756



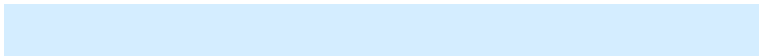
85.1457, 0.2548, 0.3374

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.1457, 0.2863, 0.3756



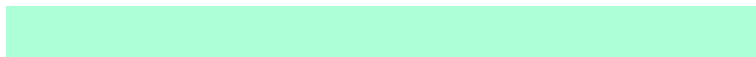
85.1457, 0.2609, 0.2632



85.1457, 0.3927, 0.3501

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



85.1457, 0.2863, 0.3756



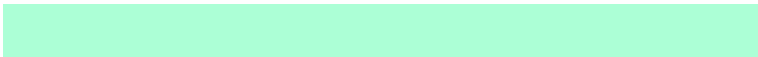
55.5408, 0.3512, 0.2870

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.1457, 0.3731, 0.3171



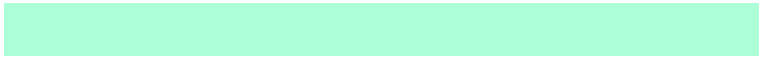
85.1457, 0.2863, 0.3756



85.1457, 0.2951, 0.2689

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.1457, 0.2863, 0.3756



85.1457, 0.2411, 0.2733



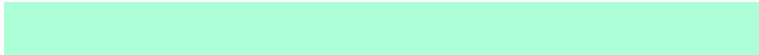
85.1457, 0.3365, 0.2882



85.1457, 0.3889, 0.3804

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.1457, 0.2863, 0.3756



85.1457, 0.2422, 0.3112



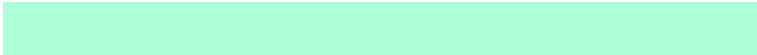
85.1457, 0.3365, 0.2882



85.1457, 0.3886, 0.3390

Sweetspot

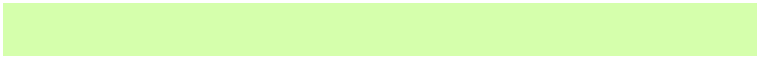
The Sweet Spot groups the original color and five complimentary colors.



85.1396, 0.2863, 0.3756



94.6964, 0.3042, 0.3416



88.7124, 0.3340, 0.4187



20.1210, 0.3030, 0.3435



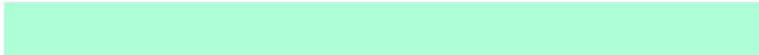
0.0000, 0.0000, 0.0000



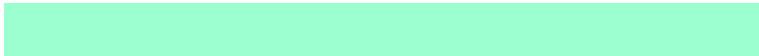
21.4041, 0.3127, 0.3290

Same Dimension

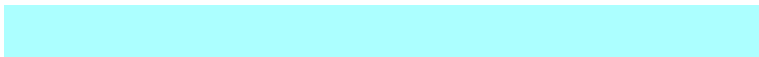
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1396, 0.2863, 0.3756



82.9962, 0.2819, 0.3866



87.5035, 0.2661, 0.3289



20.3218, 0.3046, 0.3410



38.2319, 0.2719, 0.4989



3.7446, 0.2662, 0.4783

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



55.5408, 0.3512, 0.2870



49.2753, 0.3618, 0.2785



53.7171, 0.3887, 0.3292



18.1365, 0.3216, 0.3173



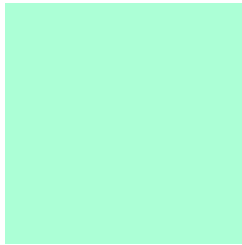
11.9233, 0.4993, 0.2524



1.1830, 0.4735, 0.2382

Previews

White Background



This preview shows how the Yxy color 85.1457, 0.2863, 0.3756 looks on a white background.

Color Contrast Check

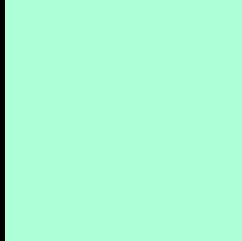
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 85.1457, 0.2863, 0.3756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

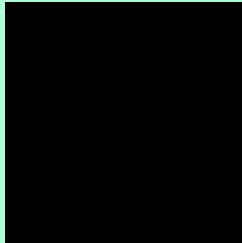
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

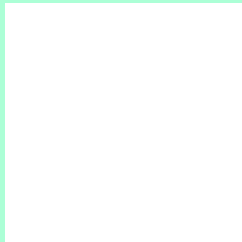
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.1457, 0.2863, 0.3756

Background



This preview shows how black text looks on a background with the Yxy color 85.1457, 0.2863, 0.3756.

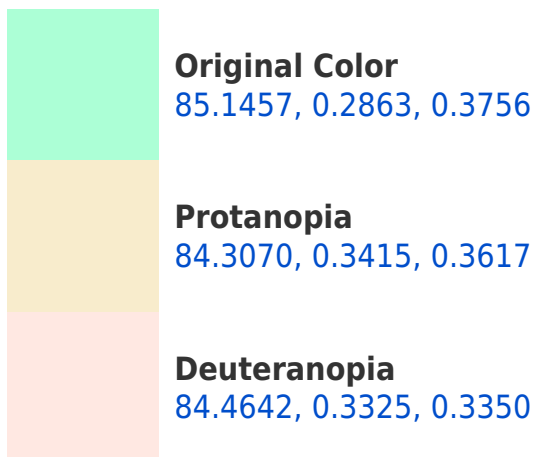


This preview shows how white text looks on a background with the Yxy color 85.1457, 0.2863, 0.3756.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

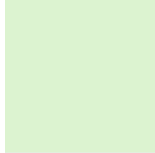
84.7311, 0.2842, 0.3164

Trichromacy



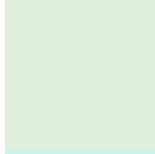
Original Color

85.1457, 0.2863, 0.3756



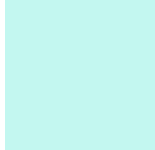
Protanomaly

83.8709, 0.3188, 0.3665



Deuteranomaly

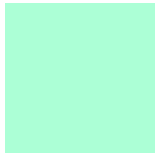
83.6017, 0.3138, 0.3480



Tritanomaly

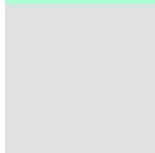
84.4149, 0.2850, 0.3365

Monochromacy



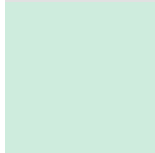
Original Color

85.1457, 0.2863, 0.3756



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.3332, 0.3021, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1457, 0.2863, 0.3756 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(172, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 214)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(172, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 214) }
```

Border

The CSS property to change the border of an element to Yxy 85.1457, 0.2863, 0.3756 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 255, 214) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(172, 255, 214) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(172, 255, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1457, 0.2863, 0.3756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 214) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(172,  
255, 214) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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